

TSU-004

above-captioned application. This response addresses every ground of rejection set forth in the Office Action.

In the Claims

Claim 1-2, 5, 7, 10-12, 15, 17, 20, and 23, cancel and substitute new Claim 24-35.

24. (Once Amended)A septal defect occluder comprising:

a shape memory frame with a proximal end, a mid point and a distal end wherein the frame can be constrained to fit within catheter; and when not constrained forms a first and a second umbrella;

said first umbrella between said proximal end and said midpoint of said shape memory frame;

said first umbrella having a plurality of ribs radiating out from a center of said memory frame and bending toward said midpoint of said shape memory frame;

said second umbrella between said distal end and said midpoint of said shape memory frame; and

said second umbrella having a plurality of ribs radiating out from a center of said memory frame and bending toward said midpoint of said shape memory frame.

25. (New Claim) The apparatus of claim 25 wherein said first and second umbrella further consists of a cover.

26. The apparatus of claim 25 wherein said cover is comprised of biodegradable and/or biocompatible material.

TSU-004

27. (Once Amended) The apparatus of claim 24 wherein the frame is made from a metal tube having a plurality of slits.

28. (Once Amended) The apparatus of claim 24 wherein the frame is comprised of a Nickel Titanium Alloy material.

29. (Once Amended) The apparatus of claim 24 further including a first circular sheet placed over the distal end of the frame and a second circular sheet placed over the proximal end of the frame wherein said first and said second circular sheet is comprised of biodegradable and/or biocompatible material.

30. (Once Amended) The apparatus of claim 24 wherein said biodegradable and/or biocompatible material is comprised of a copolymer of galactide and lactide.

31. (Once Amended) A septal defect occluder comprising:

a shape memory frame with a proximal end, a mid point and a distal end wherein the frame can be constrained to fit within catheter; and when not constrained forms a first and a second umbrella;

said first umbrella between said proximal end and said midpoint of said shape memory frame;

said first umbrella having a plurality of ribs radiating out from a center of said memory frame and bending toward said midpoint of said shape memory frame;

said second umbrella between said distal end and said midpoint of said shape memory frame;

TSU-004

said second umbrella having a plurality of ribs radiating out from a center of said memory frame and bending toward said midpoint of said shape memory frame; and

said proximal end is releasably attached to a deployment member.

32. (New Claim) The apparatus of claim 31 wherein said first and second umbrella further consists of a cover.

33. The apparatus of claim 32 wherein said cover is comprised of biodegradable and/or biocompatible material.

34. (Once Amended) The apparatus of claim 32 wherein the frame is made from a metal tube having a plurality of slits.

35. (Once Amended) The apparatus of claim 32 wherein the frame is comprised of a Nickel Titanium Alloy material.

36. (Once Amended) The apparatus of claim 32 further including a first circular sheet placed over the distal end of the frame and a second circular sheet placed over the proximal end of the frame wherein said first and said second circular sheet is comprised of biodegradable and/or biocompatible material.

37. (Once Amended) The apparatus of claim 32 wherein said biodegradable and/or biocompatible material is comprised of a copolymer of galactide and lactide.

38. (Once Amended) A method of occluding a septal defect comprising the steps of:

accessing the right side of the heart via a catheter;

advancing the catheter through a septal defect;